

**Amendments to th Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. *(cancelled)*
2. *(cancelled)*
3. *(cancelled)*
4. *(cancelled)*
5. *(cancelled)*
6. *(cancelled)*
7. *(cancelled)*
8. *(currently amended)* A medical data transfer system interfacing an implantable medical device comprising a hemodynamic monitor providing cardiac pressure data with a remote center, comprising:
  - an information remote monitor operable to establish wireless communication with ~~an~~ the implantable medical device;
  - an external pressure reference operable to obtain barometric pressure data;
  - ~~a software module resident on the said~~ information remote monitor to access accessing implantable medical device cardiac pressure data, ~~download~~ downloading barometric pressure data from the external pressure reference, and ~~combine~~ combining the data to produce corrected cardiac pressure data based on the barometric pressure data; and
  - a communication link between the information remote monitor and ~~a~~ the remote center transferring corrected cardiac pressure data.
9. *(original)* The system of claim 8 further comprising a personal computer interfaced between the information remote monitor and the remote center.
10. *(original)* The system of claim 8 wherein the communication link comprises a modem and a transmission medium.

11. *(original)* The system of claim 8 wherein the implantable medical device executes high resolution data collection upon occurrence of a trigger event selected from a group consisting of a bradycardia trigger, a tachycardia trigger, and a patient activated trigger.
12. *(original)* The system of claim 8 wherein wireless communication between the information remote monitor and the implantable medical device is bi-directional.
13. *(original)* The system of claim 8 wherein the information remote monitor comprises a housing and a detached antenna.
14. *(original)* The system of claim 13 wherein the housing comprises a back panel, a front panel and a top structure having a slot for installation of the external pressure reference during download of barometric pressure data.
15. *(original)* The system of claim 13 wherein the housing comprises a back panel having cradles to support the antenna in a stowed position.
16. *(original)* The system of claim 13 wherein the housing comprises a back panel having a power panel comprising a power cord attachment, a serial data port, and a telephone jack.
17. *(original)* The system of claim 16 further comprising a dialing sequence switch.
18. *(original)* The system of claim 13 wherein the housing comprises a front panel having a user interface panel comprising a power indicator, a first indicator of data download from the external pressure reference, and a second indicator of data transfer to the remote center.
19. *(original)* The system of claim 8 wherein the information remote monitor simultaneously downloads data from the external pressure reference and data from the implantable medical device.

20. *(original)* The system of claim 8 further comprising a personal computer connected to the information remote monitor to control the information remote monitor in programming the implantable medical device.

21. *(original)* The system of claim 8 wherein the information remote monitor includes an internal modem to dial the remote center and transfer data over the communication link in a protocol selected from a group consisting of FTP, PPP and TC/PIP protocols.

22. *(original)* The system of claim 8 wherein the communication link comprises a transfer medium selected from a group consisting of a phone line, a cable modem, an ISD line, and a wireless data transmission system.